

RAW SEQUENCE LISTING

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Application Serial Number: US/09/893,443
Source: TTWIC
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/893,443

DATE: 12/09/2004

TIME: 13:40:57

Input Set : A:\Sequence Listing.txt
 Output Set: N:\CRF4\12092004\I893443.raw

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3 <110> APPLICANT: Gmachl, Michael
4      Peters, Jan-Michael
5      Gieffers, Christian
7 <120> TITLE OF INVENTION: Methods for Identifying Inhibitors of the Anaphase Promoting
8      Complex
10 <130> FILE REFERENCE: 0652.2310001
12 <140> CURRENT APPLICATION NUMBER: 09/893,443
13 <141> CURRENT FILING DATE: 2001-06-29
15 <150> PRIOR APPLICATION NUMBER: 60/243,157
16 <151> PRIOR FILING DATE: 2000-10-25
18 <150> PRIOR APPLICATION NUMBER: EP 0 113 832.0
19 <151> PRIOR FILING DATE: 2000-06-29
21 <160> NUMBER OF SEQ ID NOS: 3
23 <170> SOFTWARE: PatentIn version 3.2
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 1051
27 <212> TYPE: PRT
28 <213> ORGANISM: Triticum aestivum
30 <400> SEQUENCE: 1
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33   1           5           10          15
36 Gln Lys Lys Thr Arg Ala Gly Glu Gly Glu Val Thr Arg Glu Glu Gly
37   20          25          30
40 Asp Ala Ala Met Ala Gly Arg Gly Asn Glu Ile Asp Glu Asp Leu His
41   35          40          45
44 Ser Arg Gln Leu Ala Val Tyr Gly Arg Glu Thr Met Lys Arg Leu Phe
45   50          55          60
48 Gly Ser Asn Val Leu Val Ser Gly Leu Gln Gly Leu Gly Ala Glu Ile
49   65          70          75          80
52 Ala Lys Asn Leu Val Leu Ala Gly Val Lys Ser Val Thr Leu His Asp
53   85          90          95
56 Asp Gly Asn Val Glu Leu Trp Asp Leu Ser Ser Asn Phe Phe Leu Ser
57   100         105         110
60 Glu Asn Asp Val Gly Gln Asn Arg Ala Gln Ala Cys Val Gln Lys Leu
61   115         120         125
64 Gln Glu Leu Asn Asn Ala Val Leu Val Ser Ala Leu Thr Gly Asp Leu
65   130         135         140
68 Thr Lys Glu His Leu Ser Lys Phe Gln Ala Val Val Phe Thr Asp Ile
69   145         150         155         160
72 Ser Leu Asp Lys Ala Ile Glu Phe Asp Asp Tyr Cys His Ser Gln Gln
73   165         170         175
76 Pro Pro Ile Ala Phe Ile Lys Ser Glu Val Arg Gly Leu Phe Gly Ser
77   180         185         190

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80 Val Phe Cys Asp Phe Gly Pro Glu Phe Thr Val Leu Asp Val Asp Gly
 81 195 200 205
 84 Glu Glu Pro His Thr Gly Ile Val Ala Ser Ile Ser Asn Asp Asn Pro
 85 210 215 220
 88 Ala Leu Val Ser Cys Val Asp Asp Glu Arg Leu Glu Phe Gln Asp Gly
 89 225 230 235 240
 92 Asp Leu Val Val Phe Ser Glu Val His Gly Met Thr Glu Leu Asn Asp
 93 245 250 255
 96 Gly Lys Pro Arg Lys Val Lys Asn Ala Arg Pro Tyr Ser Phe Phe Leu
 97 260 265 270
 100 Glu Glu Asp Thr Ser Ser Phe Gly Ala Tyr Val Arg Gly Gly Ile Val
 101 275 280 285
 104 Thr Gln Val Lys Pro Pro Lys Val Ile Lys Phe Lys Pro Leu Lys Glu
 105 290 295 300
 108 Ala Met Ser Glu Pro Gly Glu Phe Leu Met Ser Asp Phe Ser Lys Phe
 109 305 310 315 320
 112 Glu Arg Pro Pro Leu Leu His Leu Ala Phe Gln Ala Leu Asp Lys Phe
 113 325 330 335
 116 Arg Thr Glu Leu Ser Arg Phe Pro Val Ala Gly Ser Thr Asp Asp Val
 117 340 345 350
 120 Gln Arg Val Ile Glu Tyr Ala Ile Ser Ile Asn Asp Thr Leu Gly Asp
 121 355 360 365
 124 Arg Lys Leu Glu Glu Ile Asp Lys Lys Leu Leu His His Phe Ala Ser
 125 370 375 380
 128 Gly Ser Arg Ala Val Leu Asn Pro Met Ala Ala Met Phe Gly Gly Ile
 129 385 390 395 400
 132 Val Gly Gln Glu Val Val Lys Ala Cys Ser Gly Lys Phe His Pro Leu
 133 405 410 415
 136 Tyr Gln Phe Phe Tyr Phe Asp Ser Val Glu Ser Leu Pro Val Asp Pro
 137 420 425 430
 140 Leu Glu Pro Gly Asp Leu Lys Pro Lys Asn Ser Arg Tyr Asp Ala Gln
 141 435 440 445
 144 Ile Ser Val Phe Gly Ser Lys Leu Gln Asn Lys Leu Glu Glu Ala Lys
 145 450 455 460
 148 Ile Phe Met Val Gly Ser Gly Ala Leu Gly Cys Glu Phe Leu Lys Asn
 149 465 470 475 480
 152 Leu Ala Leu Met Gly Ile Ser Cys Ser Gln Asn Gly Asn Leu Thr Leu
 153 485 490 495
 156 Thr Asp Asp Asp Val Ile Glu Lys Ser Asn Leu Ser Arg Gln Phe Leu
 157 500 505 510
 160 Phe Arg Asp Trp Asn Ile Gly Gln Pro Lys Ser Thr Val Ala Ala Thr
 161 515 520 525
 164 Ala Ala Met Val Ile Asn Pro Lys Leu His Val Glu Ala Leu Gln Asn
 165 530 535 540
 168 Arg Ala Ser Pro Glu Thr Glu Asn Val Phe Asn Asp Ala Phe Trp Glu
 169 545 550 555 560
 172 Asn Leu Asp Ala Val Val Asn Ala Leu Asp Asn Val Thr Ala Arg Met
 173 565 570 575
 176 Tyr Ile Asp Ser Arg Cys Val Tyr Phe Gln Lys Pro Leu Leu Glu Ser

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177	580	585	590
180	Gly Thr Leu Gly Ala Lys Cys Asn Thr Gln Met Val Ile Pro His Leu		
181	595	600	605
184	Thr Glu Asn Tyr Gly Ala Ser Arg Asp Pro Pro Glu Lys Gln Ala Pro		
185	610	615	620
188	Met Cys Thr Val His Ser Phe Pro His Asn Ile Asp His Cys Leu Thr		
189	625	630	635
192	Trp Ala Arg Ser Glu Phe Glu Gly Leu Leu Glu Lys Thr Pro Thr Glu		
193	645	650	655
196	Val Asn Ala Phe Leu Ser Asn Pro Thr Thr Tyr Ile Ser Ala Ala Arg		
197	660	665	670
200	Thr Ala Gly Asp Ala Gln Ala Arg Asp Gln Leu Glu Arg Val Ile Glu		
201	675	680	685
204	Cys Leu Asp Arg Asp Lys Cys Glu Thr Phe Gln Asp Ser Ile Thr Trp		
205	690	695	700
208	Ala Arg Leu Lys Phe Glu Asp Tyr Phe Ser Asn Arg Val Lys Gln Leu		
209	705	710	715
212	720		
213	Thr Phe Thr Phe Pro Glu Asp Ser Met Thr Ser Ser Gly Ala Pro Phe		
216	725	730	735
217	Trp Ser Ala Pro Lys Arg Phe Pro Arg Pro Val Glu Phe Ser Ser Ser		
218	740	745	750
220	Asp Gln Ser Gln Leu Ser Phe Ile Leu Ala Ala Ile Leu Arg Ala		
221	755	760	765
224	Glu Thr Phe Gly Ile Pro Ile Pro Glu Trp Ala Lys Thr Pro Asn Lys		
225	770	775	780
228	Leu Ala Ala Glu Ala Val Asp Lys Val Ile Val Pro Asp Phe Gln Pro		
229	785	790	795
232	800		
233	Lys Gln Gly Val Lys Ile Val Thr His Glu Lys Ala Thr Ser Leu Ser		
236	805	810	815
237	Ser Ala Ser Val Asp Asp Ala Ala Val Ile Glu Glu Leu Ile Ala Lys		
238	820	825	830
240	Leu Glu Glu Val Ser Lys Thr Leu Pro Ser Gly Phe His Met Asn Pro		
241	835	840	845
244	Ile Gln Phe Glu Lys Asp Asp Asp Thr Asn Phe His Met Asp Val Ile		
245	850	855	860
248	Ala Gly Phe Ala Asn Met Arg Ala Arg Asn Tyr Ser Ile Pro Glu Val		
249	865	870	875
252	880		
253	Asp Lys Leu Lys Ala Lys Phe Ile Ala Gly Arg Ile Ile Pro Ala Ile		
256	885	890	895
257	Ala Thr Ser Thr Ala Met Ala Thr Gly Leu Val Cys Leu Glu Leu Tyr		
258	900	905	910
260	Lys Ala Leu Ala Gly Gly His Lys Val Glu Asp Tyr Arg Asn Thr Phe		
261	915	920	925
264	Ala Asn Leu Ala Ile Pro Leu Phe Ser Ile Ala Glu Pro Val Pro Pro		
265	930	935	940
268	Lys Thr Ile Lys His Gln Glu Leu Ser Trp Thr Val Trp Asp Arg Trp		
269	945	950	955
272	960		
273	Thr Val Thr Gly Asn Ile Thr Leu Arg Glu Leu Leu Glu Trp Leu Lys		
	965	970	975

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276 Glu Lys Gly Leu Asn Ala Tyr Ser Ile Ser Cys Gly Thr Ser Leu Leu
 277 980 985 990
 280 Tyr Asn Ser Met Phe Pro Arg His Lys Glu Arg Leu Asp Arg Lys Val
 281 995 1000 1005
 284 Val Asp Val Ala Arg Glu Val Ala Lys Met Glu Val Pro Ser Tyr
 285 1010 1015 1020
 288 Arg Arg His Leu Asp Val Val Val Ala Cys Glu Asp Asp Asp Asp
 289 1025 1030 1035
 292 Asn Asp Val Asp Ile Pro Leu Val Ser Val Tyr Phe Arg
 293 1040 1045 1050
 296 <210> SEQ ID NO: 2
 297 <211> LENGTH: 147
 298 <212> TYPE: PRT
 299 <213> ORGANISM: Homo sapiens
 301 <400> SEQUENCE: 2
 303 Met Ala Leu Lys Arg Ile His Lys Glu Leu Asn Asp Leu Ala Arg Asp
 304 1 5 10 15
 307 Pro Pro Ala Gln Cys Ser Ala Gly Pro Val Gly Asp Asp Met Phe His
 308 20 25 30
 311 Trp Gln Ala Thr Ile Met Gly Pro Asn Asp Ser Pro Tyr Gln Gly Gly
 312 35 40 45
 315 Val Phe Phe Leu Thr Ile His Phe Pro Thr Asp Tyr Pro Phe Lys Pro
 316 50 55 60
 319 Pro Lys Val Ala Phe Thr Thr Arg Ile Tyr His Pro Asn Ile Asn Ser
 320 65 70 75 80
 323 Asn Gly Ser Ile Cys Leu Asp Ile Leu Arg Ser Gln Trp Ser Pro Ala
 324 85 90 95
 327 Leu Thr Ile Ser Lys Val Leu Leu Ser Ile Cys Ser Leu Leu Cys Asp
 328 100 105 110
 331 Pro Asn Pro Asp Asp Pro Leu Val Pro Glu Ile Ala Arg Ile Tyr Lys
 332 115 120 125
 335 Thr Asp Arg Glu Lys Tyr Asn Arg Ile Ala Arg Glu Trp Thr Gln Lys
 336 130 135 140
 339 Tyr Ala Met
 340 145
 343 <210> SEQ ID NO: 3
 344 <211> LENGTH: 84
 345 <212> TYPE: PRT
 346 <213> ORGANISM: Homo sapiens
 348 <400> SEQUENCE: 3
 350 Met Lys Val Lys Ile Lys Cys Trp Asn Gly Val Ala Thr Trp Leu Trp
 351 1 5 10 15
 354 Val Ala Asn Asp Glu Asn Cys Gly Ile Cys Arg Met Ala Phe Asn Gly
 355 20 25 30
 358 Cys Cys Pro Asp Cys Lys Val Pro Gly Asp Asp Cys Pro Leu Val Trp
 359 35 40 45
 362 Gly Gln Cys Ser His Cys Phe His Met His Cys Ile Leu Lys Trp Leu
 363 50 55 60
 366 His Ala Gln Gln Val Gln Gln His Cys Pro Met Cys Arg Gln Glu Trp

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367 65

70

75

80

370 Lys Phe Lys Glu

VERIFICATION SUMMARY

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